

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 September 2005 (09.09.2005)

PCT

(10) International Publication Number
WO 2005/082879 A1

(51) International Patent Classification⁷: **C07D 311/06**,
A61K 31/352, A61P 9/10, 25/28

Limited, 17-85, Jusohonmachi 2-chome, Yodogawa-ku,
Osaka-shi, Osaka, 5328686 (JP).

(21) International Application Number:
PCT/JP2005/003838

(74) Agents: **KAWAMIYA, Osamu** et al.; AOYAMA & PART-
NERS, IMP Building, 3-7,, Shiromi 1-chome,, Chuo-ku,
Osaka-shi, Osaka 540-0001 (JP).

(22) International Filing Date: 1 March 2005 (01.03.2005)

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004-057920 2 March 2004 (02.03.2004) JP

(71) Applicant (*for all designated States except US*): **TAKEDA
PHARMACEUTICAL COMPANY LIMITED** [JP/JP];
1-1, Doshomachi 4-Chome, Chuo-ku, Osaka-shi, Osaka,
5410045 (JP).

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

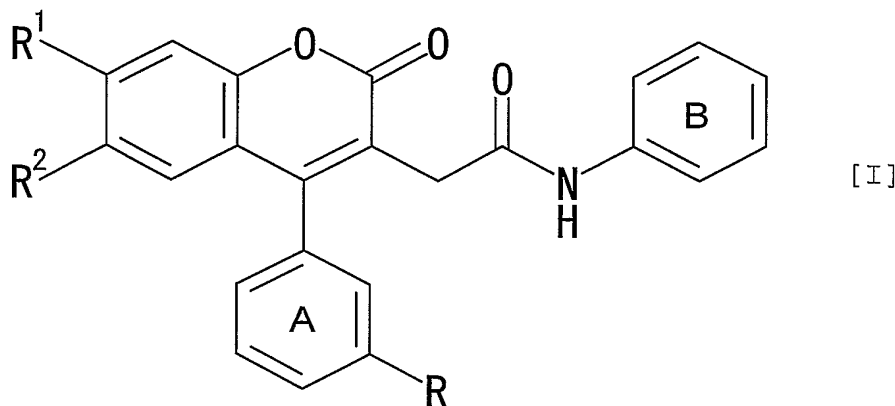
(75) Inventors/Applicants (*for US only*): **MARUI, Shogo**
[JP/JP]; c/o Takeda Pharmaceutical Company Limited,
17-85, Jusohonmachi 2-chome, Yodogawa-ku, Osaka-shi,
Osaka, 5328686 (JP). **OGINO, Masaki** [JP/JP]; c/o Takeda
Pharmaceutical Company Limited, 17-85, Jusohonmachi
2-chome, Yodogawa-ku, Osaka-shi, Osaka, 5328686
(JP). **TAWADA, Hiroyuki** [JP/JP]; 11-1, Miyanokawara
1-chome, Takatsuki-shi, Osaka, 5691032 (JP). **YABE,
Osamu** [JP/JP]; c/o Takeda Pharmaceutical Company

Published:

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: COUMARIN DERIVATIVE AND USE THEREOF



(57) Abstract: The present invention relates to an alkaline earth metal salt or an organic amine salt of a compound represented by the formula [I]: wherein R¹ and R² are each a hydrogen atom, a halogen atom, or an optionally substituted linear hydrocarbon group; ring A is an optionally further substituted benzene ring; B is an optionally substituted benzene ring; R is a carboxyl group or a linear hydrocarbon group substituted with a carboxyl group and the like.

WO 2005/082879 A1